

Converting Colors

CIELCh(21, 11.953, 338.481)

Have a look what the booklet for
CIELCh(21, 11.953, 338.481)
contains.

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Color

CIELCh(21, 11.849, 339.201)

Conversions

Conversions Part 1

Format	Color
Hex	402D39
RGB	64, 45, 57
RGB Percent	25%, 18%, 22%
CMY	0.7496, 0.8241, 0.7770
CMYK	0.00, 0.30, 0.11, 0.75
HSL	322°, 17%, 21%
HSV	322°, 30%, 25%
XYZ	3.7727, 3.2451, 4.2796
YIQ	52.0490, 7.4720, 7.7600

Conversions

Conversions Part 2

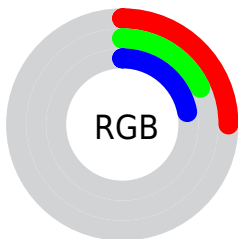
Format	Color
RYB	64, 45, 57
Decimal	4205881
CIELab	21.00, 11.08, -4.21
CIELCh	21, 11.849, 339.201
Yxy	3.2451, 0.3339, 0.2872
Android (android.graphics.Color)	4282395961 (0xFF402D39)
YUV	52.0490, 2.4408, 10.4810
Hunter-Lab	18.0142, 5.8586, -1.4756

Details


The CIELCh color **21, 11.849, 339.201** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 11.665, 155.045**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 11.756, 339.094**, and **2, 9.825, 342.978** is the 20% darker color. If you saturate the color by 10%, you get **19, 15.817, 339.992**, and if you desaturate by 10%, it is **23, 7.835, 338.468**.

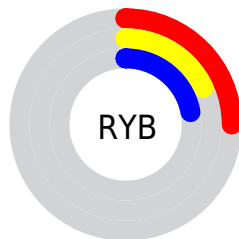
Distribution



 Red (25%)

 Green (18%)

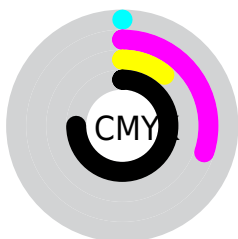
 Blue (22%)




 Red (25%)

 Yellow (18%)

 Blue (22%)

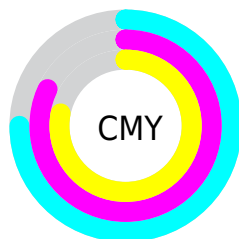



 Cyan (0%)


 Magenta (30%)

 Yellow (11%)

 Black (75%)



 Cyan (75%)


 Magenta (82%)


 Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 11.849, 339.201 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 21, 11.849, 339.201 by changing the saturation by 10% instead.

 21, 11.849,
339.201


 21, 11.849,
339.201

 100, 11.849,
339.201


 11, 11.849,
339.201


 41, 11.849,
339.201


 1, 11.849, 339.201


 51, 11.849,
339.201

 0, 11.849, 339.201

 61, 11.849,
339.201

 71, 11.849,
339.201

 81, 11.849,
339.201

 91, 11.849,

339.201

■ 21, 11.849,
339.201

■ 21, 11.849,
339.201

■ 19, 15.817,
339.992

■ 23, 7.835, 338.468

■ 17, 19.657,
340.854

■ 25, 3.840, 337.768

■ 27, 0.098, 158.821

■ 16, 23.253,
341.808

■ 29, 3.952, 156.620

■ 14, 26.466,
342.884

■ 31, 7.709, 156.039

■ 33, 11.363,
155.503

■ 13, 29.140,
344.123

■ 36, 14.913,
155.000

■ 12, 31.287,
345.513

■ 11, 33.651,
346.738

■ 38, 18.359,
154.526

■ 11, 33.717,
346.767

■ 40, 21.707,
154.079

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21, 11.849, 339.201



25, 11.665, 155.045

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21, 11.849, 339.201



21, 11.849, 29.201



21, 11.849, 159.201



21, 11.849, 209.201

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21, 11.848, 339.202



33, 4.463, 337.745



20, 13.346, 305.806



16, 3.130, 337.796



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21, 11.848, 339.202



27, 18.040, 339.820



21, 9.380, 11.119



12, 2.260, 337.686



20, 44.198, 348.434



49, 80.366, 350.614

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21, 11.848, 339.202



27, 18.040, 339.820



25, 8.241, 186.309



12, 2.260, 337.686



20, 44.198, 348.434



49, 80.366, 350.614

Previews

White Background



This preview shows how the CIELCh color 21, 11.849, 339.201 looks on a white background.

Color Contrast Check

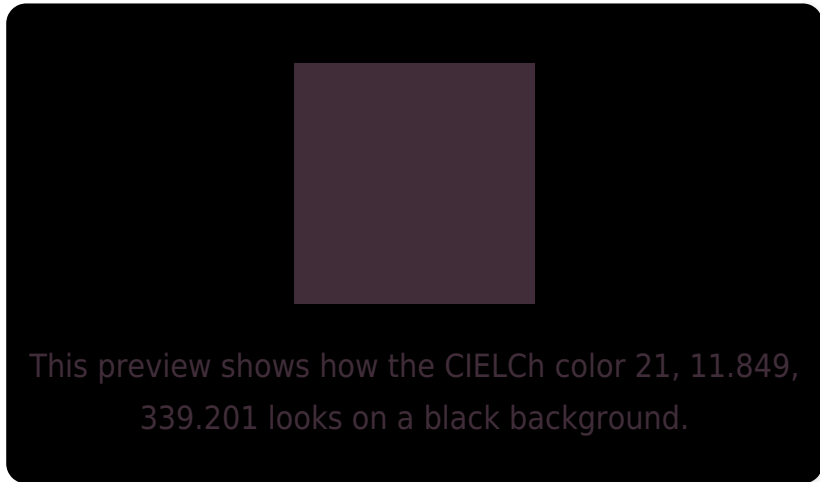
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

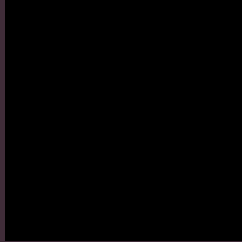
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 21, 11.849, 339.201

Background



This preview shows how black text looks on a background with the CIELCh color 21, 11.849, 339.201.



This preview shows how white text looks on a background with the CIELCh color 21, 11.849, 339.201.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21, 11.849, 339.201

Protanopia

21, 6.770, 288.082

Deuteranopia

21, 5.096, 311.967



Tritanopia
21, 8.553, 3.075

Trichromacy



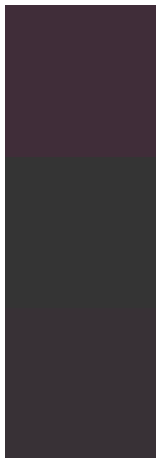
Original Color
21, 11.849, 339.201

Protanomaly
21, 7.952, 311.344

Deuteranomaly
21, 7.635, 328.126

Tritanomaly
21, 8.972, 354.792

Monochromacy



Original Color
21, 11.849, 339.201

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 4.690, 334.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 11.849, 339.201 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(64, 45, 57)` looks like.

```
.text, #text, p{  
    color:rgb(64, 45, 57)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(64, 45, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 45, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 11.849, 339.201 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(64, 45, 57) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(64, 45, 57) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(64, 45, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 45, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 45, 57);  
box-shadow:4px 4px 4px 4px rgb(64, 45, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 11.849, 339.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 45, 57) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(64, 45,  
57) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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